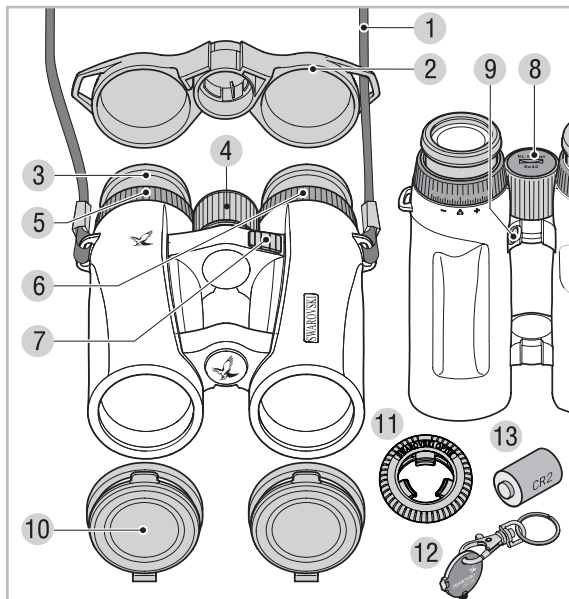


We are very pleased that you have decided to purchase this product from SWAROVSKI OPTIK. If you have any questions, please consult your specialist dealer or contact us directly at WWW.SWAROVSKIOPTIK.COM.

1. Overview



- | | |
|----------------------------------|-----------------------------|
| 1 Comfort carrying strap | 8 Battery compartment cover |
| 2 Eyepiece cover | 9 Mode button |
| 3 Twist-in eyecup | 10 Objective lens cover |
| 4 Focusing wheel | 11 Snap Shot Adapter |
| 5 Dioptic adjustment ring, right | 12 Coin opener |
| 6 Dioptic adjustment ring, left | 13 Spare battery |
| 7 Measurement button | |

Please find our current product accessories at WWW.SWAROVSKIOPTIK.COM.

WEEE/ElektroG



This symbol indicates that this product must not be disposed of as household waste under the WEEE Directive (Waste Electrical and Electronic Equipment Directive) and national laws.

This product must be returned to a dedicated collection site. You can obtain information about collection sites for waste equipment from your local authorities or from an authorised site for the disposal of waste electrical and electronic equipment.

Disposing of this product correctly helps to protect the environment and prevents potential damage to both the environment and human health which could occur if the products are not handled correctly.

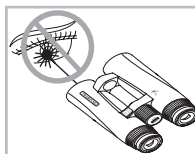
2. For your safety!

2.1. WARNING!

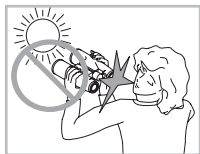
The product meets the requirements of a Class 1 laser pursuant to the applicable standards EN 60825-1, IEC 60825-1, FDA 21 CFR 1040.10 and 1040.11 respectively except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007. As such, the instrument is safe for eyes and can be used for any application, but must not be aimed at people directly.

2.2. General information

Under no circumstances should the housing be opened by unauthorized personnel!



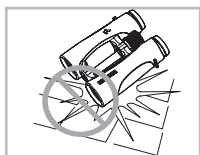
Never point the instrument at people from close distances!



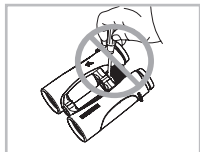
Never look directly at the sun with the binoculars! This will damage your eyes!



Never look through the binoculars when walking, you could encounter obstacles!



Please protect your binoculars from jolts and jars.



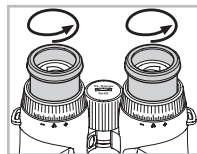
Repairs should be carried out by authorized service facilities only.

3. Getting started

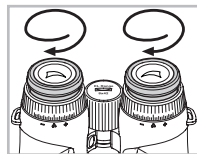
The battery is already inserted into the battery compartment. The binoculars are ready for immediate use. Before switching on the instrument, please make the following settings:

3.1. Adjusting the twist-in eyecups

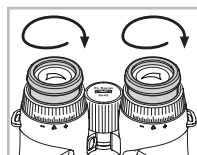
In principle, you can choose between four different setting positions that provide varying distances between your eye and the lens. You can set the optimal distance according to your personal preference.



Pos. A: Initial position without spectacles: Twist out the eyecups anticlockwise to the full extent.



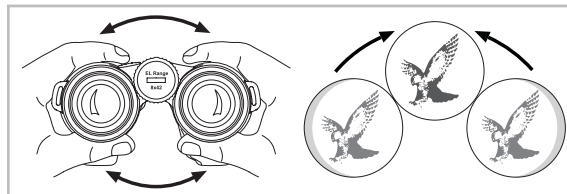
Pos. B: Initial position with spectacles: Twist in the eyecups clockwise until they stop.



Pos. C and D: Alternative positions or interim adjustment stages for spectacle wearers and non-spectacle wearers.

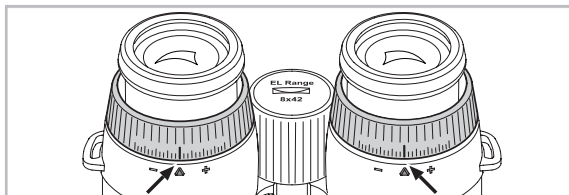
3.2. Adjusting the interpupillary distance

To see a single round image, adjust the separation between the two halves of the binoculars until the irritating shadows disappear.



3.3. Use with equal acuity of both eyes

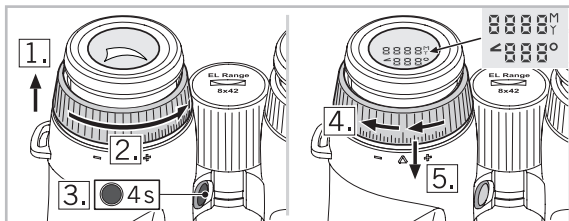
a. Pull out the left and right dioptric adjustment ring and turn it until the long bar on the dioptric scale is in line with the small triangle underneath the ring.



b. Once you have finished, push the dioptric adjustment rings back in.

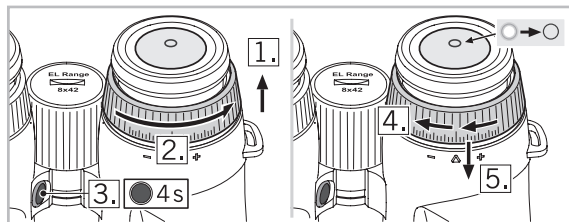
3.4. Dioptric compensation

To achieve optimal image quality, it is necessary to correct any varying visual acuity between the left and right eye.



1. First pull out the left dioptric adjustment ring.
2. Turn the dioptric adjustment ring anticlockwise until it stops.
3. Hold down the mode button for 4 seconds. This takes you to the dioptric compensation adjustment mode (display remains illuminated for 30 seconds). To exit this mode early, press the measurement button or mode button again.
4. Now look through the left eyepiece at the display with your left eye and slowly turn the dioptric adjustment ring clockwise until the display comes into clear focus.

5. Once you have finished, push the dioptric adjustment ring back in.
6. Repeat steps 1 to 5 with the right dioptric adjustment ring to optimally adjust the focus for the right eye (aiming mark).



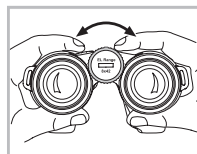
NOTE:

Setting the twist-in eyecups and eye relief precisely helps to ensure maximum viewing comfort for the display (see chapter 3.1. and 3.2.).

TIP:

The aiming mark and range indication can be set comfortably even without a target. Place the binoculars on a table upright or look at a nearby dark object. Adjusting each dioptric position separately allows you to achieve optimum sharpness because your eye is not distracted by a target under observation.

3.5. Adjusting the focus



To adjust your object focus from the shortest focusing distance (see Technical Data Sheet) to infinity, simply turn the focusing wheel. In the infinity position, the wide bar on the focusing wheel points upward.

4. Operation

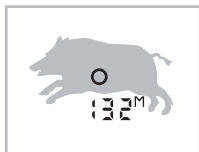
4.1. Single measurement



Briefly pressing the measurement button causes the aiming mark to appear. Once the button is released, the measured range is shown on the display. For optical safety reasons, another measurement cannot be

taken until after approx. 2 seconds have elapsed. During this safety pause, a continuous series of minus symbols appears on the display. The measurement is in progress.

4.2. Scan Mode



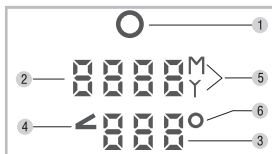
Scan Mode is used to continually measure the range of moving targets. The instrument switches to Scan Mode automatically if the measurement button is held down for over 3 seconds. In Scan Mode, measure-

ments will be taken continually until the measurement button is released (max. 120 seconds). The maximum range of Scan Mode is approx. 1,000 m.

If the measurement button is not pressed for 5 seconds, the display turns off automatically.

5. Menu navigation

5.1. Display



1. Aiming mark
2. Display of the measured range in yards or metres (4-digit).
3. Measured angle in degrees or corrected shooting distance

4. Angle symbol
5. Display in yards (Y) or metres (M)
6. Degree symbol (°)

5.2. Additional functions and programmes

The following programmes (P) are available:

- P1 Individual brightness settings
- P2 Information shown on lower display row:
 - Angle in degrees
 - P2 off (lower display row off)
 - Corrected ballistic shooting distance (angle-dependent)
- P3 Toggle metres/yards
- P4 Automatic brightness adjustment (on/off)

Factory settings:

- P1: Level 3
- P2: Off
- P3: Metre
- P4: On

Selecting the programmes:

Hold down the mode button for 2 seconds. This takes you to the main menu: Now use the measurement button to make the programme setting you require.

To switch to the next menu item, press the mode button briefly. If you do not press any button within 5 seconds, the menu will close automatically and return to the measurement mode. Your settings are saved automatically.

See the Technical Data Sheet for more menu navigation information.

NOTE:

Your settings are still retained even after replacing the battery.

5.3. Brightness setting display (P1, P4)

In P1 – individual brightness setting – first select the appropriate display brightness level for you. There are 5 brightness levels to choose from.

In P4, turn the automatic brightness adjustment on or off.

- On: The binocular automatically adjusts the display brightness based on the brightness level you have chosen.
- Off: The display is constantly illuminated at the brightness level you have chosen.

5.4. Angle program (P2)

For each distance measured, you can also display the angle of the binoculars to the object under observation. This angular position means that the corrected shooting distance can also be displayed.

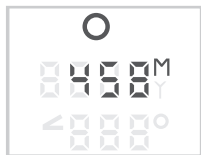
Adjusting the measured angle

On the lower row of the display, you can show either:

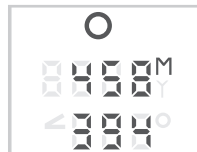
- The angle
- Or no additional information
- Or the corrected shooting distance.



Display showing measured angle



Display not showing measured angle



Display showing corrected shooting distance

SWAROAIM (corrected ballistic shooting distance)

When shooting at an angle (up or down), the force and effect of gravity is less than with a horizontal shot. This results in a flatter trajectory and a shifting of the point of impact.

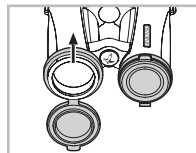
For a detailed description, visit WWW.SWAROVSKIOPTIK.COM.

5.5. Yard / metre setting (P3)

The binoculars can display the measured distance in yards or metres. To switch between these two units briefly press the measurement button on menu P3. The unit chosen here also applies for the corrected ballistic shooting distance.

6. Accessories

6.1. Assembly instructions for objective lens cover



6.2. Accessories

For detailed information about accessories, visit WWW.SWAROVSKIOPTIK.COM.

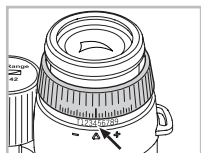
7. General Information

7.1. Range

The following factors have an impact on the maximum measurement range:

	Range higher	Range lower
Colour of target	Light	Dark
Surface	Shiny	Matt
Angle to target	At right angle	Acute
Size of object	Large	Small
Sunlight	Little (cloudy)	A lot (bright sunshine)
Atmospheric conditions	Clear	Misty
Object structure	Plane (e.g. wall)	Variable (e.g. bush, tree)

7.2. Serial number

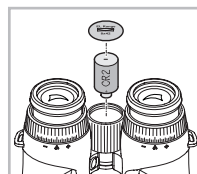


The serial number of your binoculars is located beneath the right diopter adjustment ring. To read it, pull out the diopter adjustment ring.

7.3. Replacing the battery

Check how much charge is left in the battery. A flashing aiming mark when the instrument is switched on indicates a low battery. From the time the low battery indicator first starts flashing, there is sufficient power for around 100 more measurements.

Replacing the battery



- Use the coin opener to open the battery compartment cover in the focusing wheel. Remove the dead battery.
- Insert a new CR 2 battery, making sure that the poles are correctly aligned (see markings inside compartment). Use leak-proof batteries only.
Warning: Do not use rechargeable batteries!
- Finally, screw the battery cover back on.

Batteries Directive



Batteries must not be disposed of as household waste and you are legally obliged to return used batteries. Local facilities exist for returning used batteries free of charge (e.g. in retail outlets or at communal collection points). Batteries are labelled with a crossed-out wheeled bin and the chemical symbol of the harmful substance they contain: “Cd” for cadmium, “Hg” for mercury and “Pb” for lead.
Please help us to protect the environment.

7.4. Troubleshooting and display information

Problem	Probable Cause	Remedy
The field of view is shaded at the periphery (vignetted).	The eyecups have not been adjusted correctly for use with or without spectacles.	Spectacle wearers need to twist the eyecups right in to the stop position. When using without spectacles, the eyecups need twisting out to the required position (see chapter 3.1.).
The display shows "----" for the distance measured.	1. The measurement range has been exceeded. 2. The object is not reflective enough. 3. Target out of focus.	1. See chapter 4. 2. See chapter 7.1. 3. See chapter 3.5.
The display shows "co" for the distance measured (clean optic).	1. The distance to the target is shorter than the minimum measurement range. 2. The objective lens is dirty.	1. See Technical Data Sheet. 2. Clean the objective lens.
The aiming mark flashes when the instrument is switched on.	The battery is low.	There is sufficient power for around 100 more measurements. Replace the battery or briefly warm the current one.
Display, aiming mark and target are not all in focus at same time.	Dioptric adjustment is not optimal.	See chapter 3.4.
"Err" appears on the display	Electronic fault	Press the measurement button again. On repeated occurrence of "Err", please contact SWAROVSKI OPTIK customer service.

8. Maintenance and care

8.1. Lens-cleaning cloth

You can clean high sensitive lens surfaces with the enclosed special microfibre cloth. It is suitable for objective lens, ocular lens and spectacles.

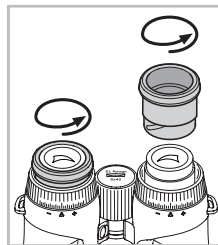
Please keep the cloth clean, as dirt can damage the lens surface. If the cloth becomes soiled it can be washed in lukewarm soapy water and left to dry. Please only use for cleaning lens surfaces!

8.2. Cleaning

We have designed all elements and surfaces to require little care.

To ensure the long-lasting optical brilliance of your binoculars, you should keep the glass surfaces free of dirt, oil and grease. When cleaning the lenses, first remove larger particles with an optical lens brush. For the subsequent thorough cleaning we recommend breathing onto the lens surface to form a coat of condensation and then cleaning it with a soft, moist cloth.

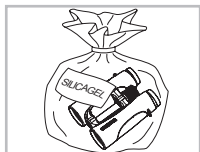
The housing is best cleansed with a soft, moist cloth (don't use the lens-cleaning cloth).



In the event of hard-to-remove dirt (e.g. sand) the eye cups can be unscrewed and cleaned easily.

8.3. Storage

You should keep your binoculars in their bag in a dry, well ventilated place.



If the instrument is wet, it must be dried prior to storage.

In tropical regions or regions with a high humidity the best place to store the instrument in is an air-tight receptacle along with a moisture-absorbing agent (e.g. silica gel).

9. Contents

EL Range
 2x batteries (CR2)
 Eyepiece cover
 Objective lens cover
 Comfort carrying strap
 Snap Shot Adapter
 Coin opener
 Lens-cleaning cloth
 Field Bag
 Instruction manual, Technical Data Sheet
 Quick Guide
 EL Range DVD

10. Conformity

The device conforms to Directives 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment, 2002/96/EC on waste electrical and electronic equipment (WEEE) and 2004/108/EC on electromagnetic compatibility.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

SWAROVSKI OPTIK KG is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by SWAROVSKI OPTIK KG. The correction of interference caused by such unauthorized modification, substitution or attachment is the responsibility of the user.

All data are typical values.

We reserve the right to make changes regarding design and delivery.
 We accept no liability for printing errors.

BA-697-01, 06/2011